

Recombinant human SCN3B protein

Catalog Number: ATGP3521

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-159aa

UniProt No.

Q9NY72

NCBI Accession No.

NP_060870

Alternative Names

Sodium channel subunit beta-3, SCN3B, ATFB16, BRGDA7, HSA243396, SCNB3

PRODUCT SPECIFICATION

Molecular Weight

16.8 kDa (146aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SCN3B, also known as sodium channel subunit beta-3, is an additional auxiliary subunit of the voltage-sensitive sodium channel that modulates channel gating with distinct kinetics. It was detected in brain, heart, kidney, lung, pancreas and skeletal muscle. It is expressed in adult mammalian skeletal muscle and can functionally couple to the skeletal muscle alpha subunit, SkM1. It associates with neurofascin through their extracellular

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immunoglobulin-like domain. Recombinant human SCN3B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPFPVCVEV PSETEAVQGN PMKLRISC M KREEVEATTV VEWFYRPEGG KDFLIYEYRN GHQEVESEPFQ GRLQWNGSKD
LQDVSITVLN VTLNDSGLYT CNVSREFEFE AHRPFVKTR LIPLRVTEEA GEDFTSVVSE HHHHHH

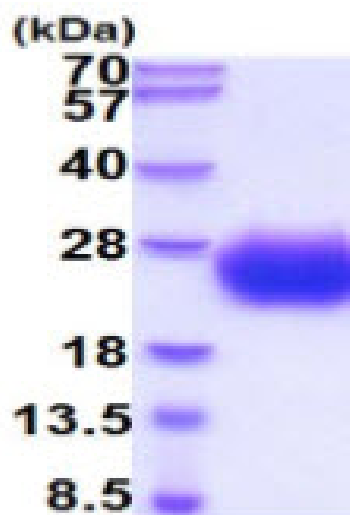
General References

Stevens EB., et al. (2001) Pflugers Arch. 441:481-488.

Ratcliffe CF., et al. (2001) J Cell Biol. 154:427-434.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)